

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of : Customer Number: 24280  
HEYWOOD, et al. :  
  
Appl. No.: 10/755,541 : Art Unit: 3747  
  
Filed: January 12, 2004 : Examiner: HARRIS, K.  
  
For: HIGH COMPRESSION RATIO, HIGH :  
POWER DENSITY HOMOGENEOUS :  
CHARGE COMPRESSION IGNITION : Atty Docket: 0492611-0534  
ENGINES USING HYDROGEN AND :  
CARBON MONOXIDE TO ENHANCE :  
AUTO-IGNITION RESISTANCE :  
:

CERTIFICATE OF MAILING

I hereby certify that the foregoing document is being deposited with the United States Postal Service as first-class mail, postage prepaid, "Post Office to Addressee", in an envelope addressed to: Mail Stop Amendment, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on January 9, 2006.

*Jonathan N. Leach*  
Name: Jonathan N. Leach

Mail Stop Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

INFORMATION DISCLOSURE STATEMENT

Pursuant to the duty of disclosure under 37 C.F.R. §§1.56, 1.97 and 1.98, Applicants respectfully request consideration of this Information Disclosure Statement.

PART I: Compliance with 37 C.F.R. §1.97

(Select A, B or C below)

- A.  This Information Disclosure Statement has been filed:  
(check 1, 2 and/or 3 below)

1.  within three months of the filing date of the above identified U.S. Patent application;
2.  within three months of the filing date of the entry of the National Stage, as set forth in 37 C.F.R. §1.491, in an International application; and/or
3.  before the mailing date of the first Office Action on the merits in the above-identified application.

No fee or certification is required.

- B.  This Information Disclosure Statement has been filed more than three months after the filing date of the present application and after the mailing date of this first Office Action, but before the mailing date of either a final action under 37 C.F.R. §1.113 or a Notice of Allowance under 37 C.F.R. §1.311.  
(check 1 or 2 below)
1.  The fee of \$180 as set forth in 37 C.F.R. §1.17(p) is enclosed; or
  2.  Applicants hereby certify, as specified in 37 C.F.R. §1.97(e), that  
(check a or b below)
    - a.  each item of information contained in this Information Disclosure Statement was cited in a communication from a foreign Patent Office in a counterpart for this application not more than three months prior to the filing of this Statement; or
    - b.  no item of information contained in this Information Disclosure Statement was cited in a communication from a foreign Patent Office in a counterpart for this application or, to the knowledge of the undersigned after making reasonable inquiry, was known to any individual designated in 37 C.F.R. §1.56(c) more than three months prior to the filing of this Statement.
    - c.  items indicated by an asterisk were identified in a recent review of related files.

- C.  This Information Disclosure Statement has been filed after the mailing date of either a Final action under 37 C.F.R. §1.113 or a Notice of Allowance under 37 C.F.R. §1.311 and before payment of an Issue Fee.  
(check 1 and 2 below)
1.  The Applicant hereby certifies, as specified in 37 C.F.R. §1.97(e), that:  
(check a or b below)
- a.  each item of information contained in this Information Disclosure Statement was cited in a communication from a foreign Patent Office in a counterpart for this application not more than three months prior to the filing of this Statement.
- b.  no item of information contained in this Information Disclosure Statement was cited in a communication from a foreign Patent Office in a counterpart for this application or, to the knowledge of the undersigned after making reasonable inquiry, was known to any individual designated in 37 C.F.R. §1.56(c) more than three months prior to the filing of this Statement.
2.  The Fee of \$180 as set forth in 37 C.F.R. §1.17(i)(1) is enclosed.

PART II - Information Cited

- A.  The Applicant hereby makes of record in the above-identified application the reference(s) listed on the attached form PTO-1449 (modified). The order of presentation of the references should not be construed as an indication of the importance of the references.
- B.  The Applicant hereby makes the following additional information of record in the above-identified application:

PART III: Explanation of Non-English Language References and Remarks Concerning Other Information Cited

- A.  The following is a concise explanation of the relevance of each non-English language reference listed on the attached form PTO-1449 (modified):
- B.  The following are remarks concerning the other information cited:

PART IV: Remarks

- A. Copies of references  
(check 1 or 2 below)
  - 1.  A copy of each of the references cited on the attached form PTO-1449 (modified) is enclosed, except for U.S. patents and U.S. patent application publications for which the submission requirement has been waived by the PTO in the Official Gazette Notice of August 5, 2003, for applications filed after June 30, 2003;
  - 2.  Copies of certain of the references cited on the attached form PTO-1449 (modified) are not enclosed because each of these references (indicated by a check mark ✓) was previously cited by or submitted to the Office in a prior application, XXXXX, which prior application is relied upon for an earlier filing date under 35 U.S.C. § 120.
- B. It is respectfully requested that:
  - 1. The Examiner consider completely the cited information, along with any other information, in reaching a determination concerning the patentability of the present claims;
  - 2. The enclosed form PTO-1449 be signed by the Examiner to evidence that the cited patent(s) and publication(s) has (have) been fully considered by the Patent and Trademark Office during the examination of this application;

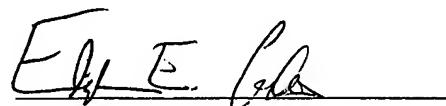
3. The citations for the patent(s) and publication(s) be printed on any patent which issues from this application.
- C. By submitting this Information Disclosure Statement, Applicants make no representation that a search has been performed, of the extent of any search performed, or that more material information may not exist.
- D. By submitting this Information Disclosure Statement, Applicants make no representation that the information cited in the Statement is, or is considered to be, material to patentability as defined in 37 C.F.R. §1.56(b).
- E. By submitting this Information Disclosure Statement, Applicants make no representation that the information cited in the Statement is, or is considered to be, in fact, prior art as defined by 35 U.S.C. §102.
- F. Notwithstanding any statements by Applicants, the Examiner is urged to form his or her own conclusions regarding the relevance of the cited reference(s).

An early and favorable action is hereby requested.

Please charge any additional fees or credit any overpayments to our Deposit Account No.  
03-1721.

Respectfully submitted,  
CHOATE, HALL & STEWART LLP

Date: January 9, 2006

  
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Form PTO-1449 (REV. 8-83)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY. DOCKET: 0492611-0534	APPLICATION NO.: 10/755,541
<b>INFORMATION DISCLOSURE STATEMENT</b> <i>(Use several sheets if necessary)</i>				APPLICANT: HEYWOOD, et al.	
				FILING DATE: January 12, 2004	EXAMINER: HARRIS, K. ART GROUP: 3747
<b>U. S. PATENT DOCUMENTS</b>					
EXAMINER INITIALS	DOCUMENT NUMBER	APPLICANT	ISSUE/PUBLICATION DATE	CLASS	SUB-CLASS
	US 6,286,482	Flynn, et al.	August 11, 2001		
	US 6,092,512	Ma, et al.	July 25, 2000		
	US 3,918,412	Lindstrom, et al.	November 11, 1975		
<b>FOREIGN PATENT DOCUMENTS</b>					
EXAMINER INITIALS	DOCUMENT NUMBER	COUNTRY	DATE	TRANSLATION	
				YES	NO
	EP 1 378 644	EP	January 7, 2004	English	
<b>EXAMINER INITIALS</b>	<b>OTHER DOCUMENTS</b> (Including Author, Title, Date, Pertinent Pages, etc.)				
	International Search Report dated November 4, 2005, for PCT/US2004/044053 filed December 31, 2004.				
<b>EXAMINER</b>	<b>DATE CONSIDERED</b>				
EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.					